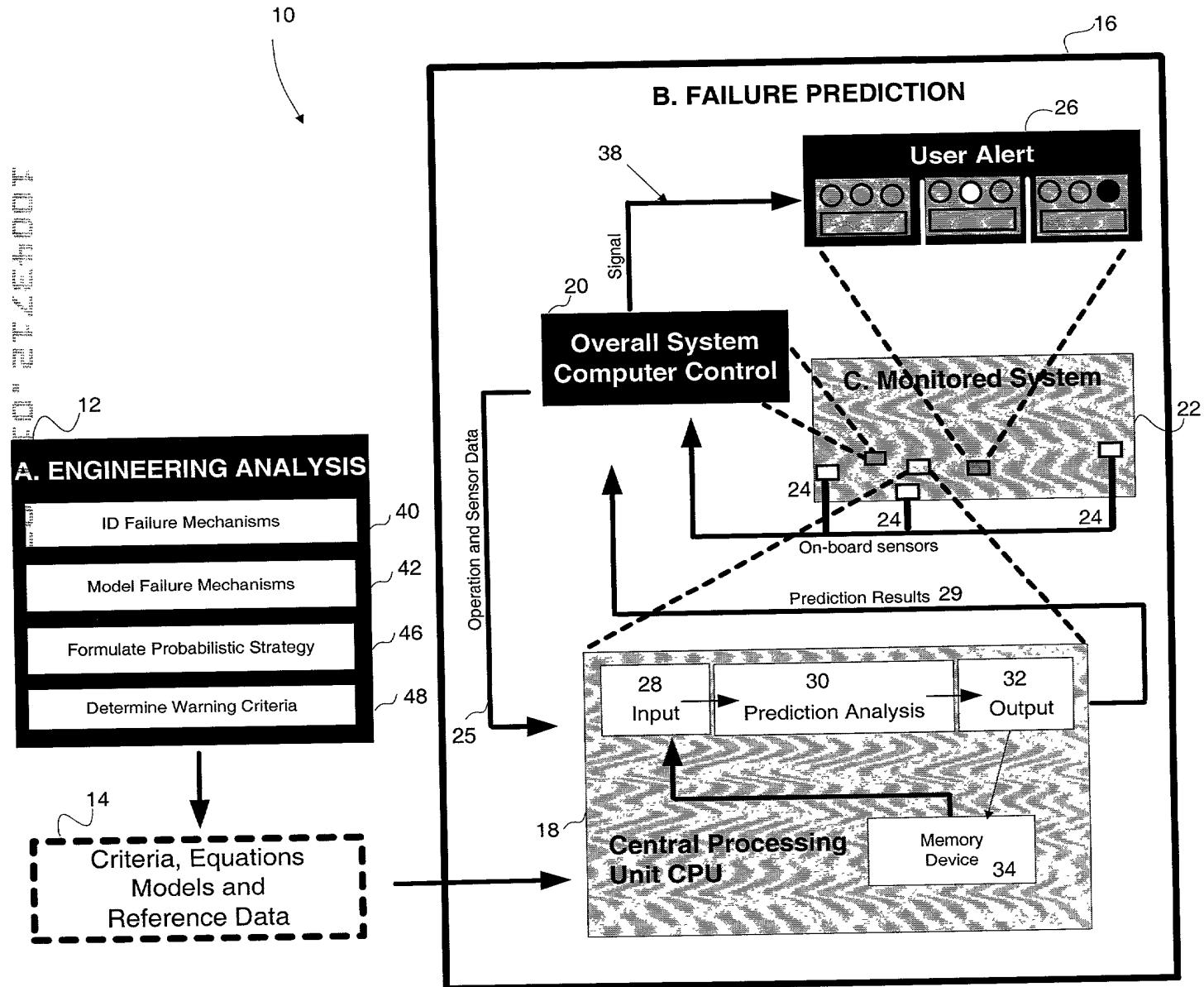
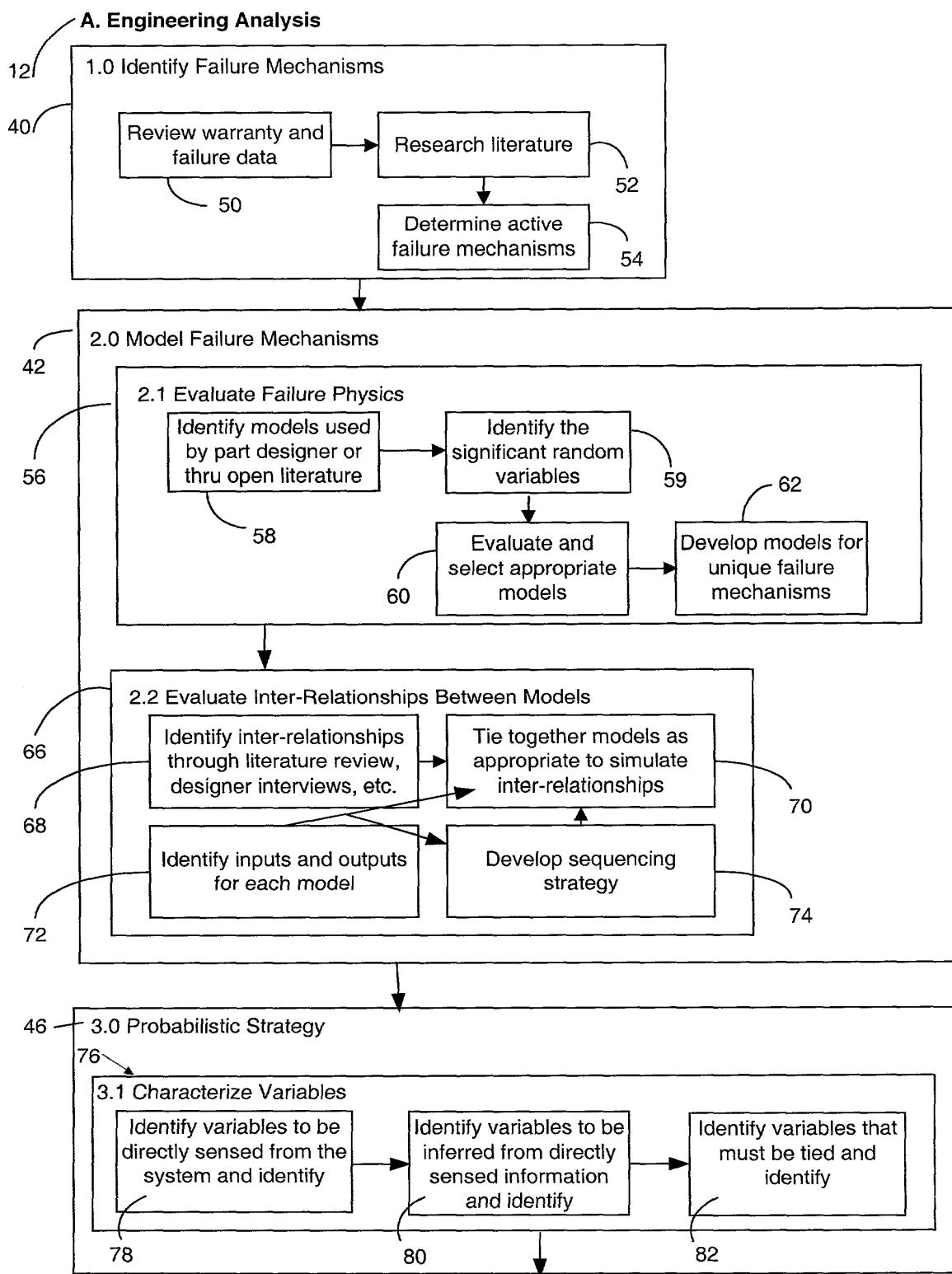


FIGURE 1

ON-BOARD PROGNOSTIC INSTRUMENT ENGINEER (OPIE)

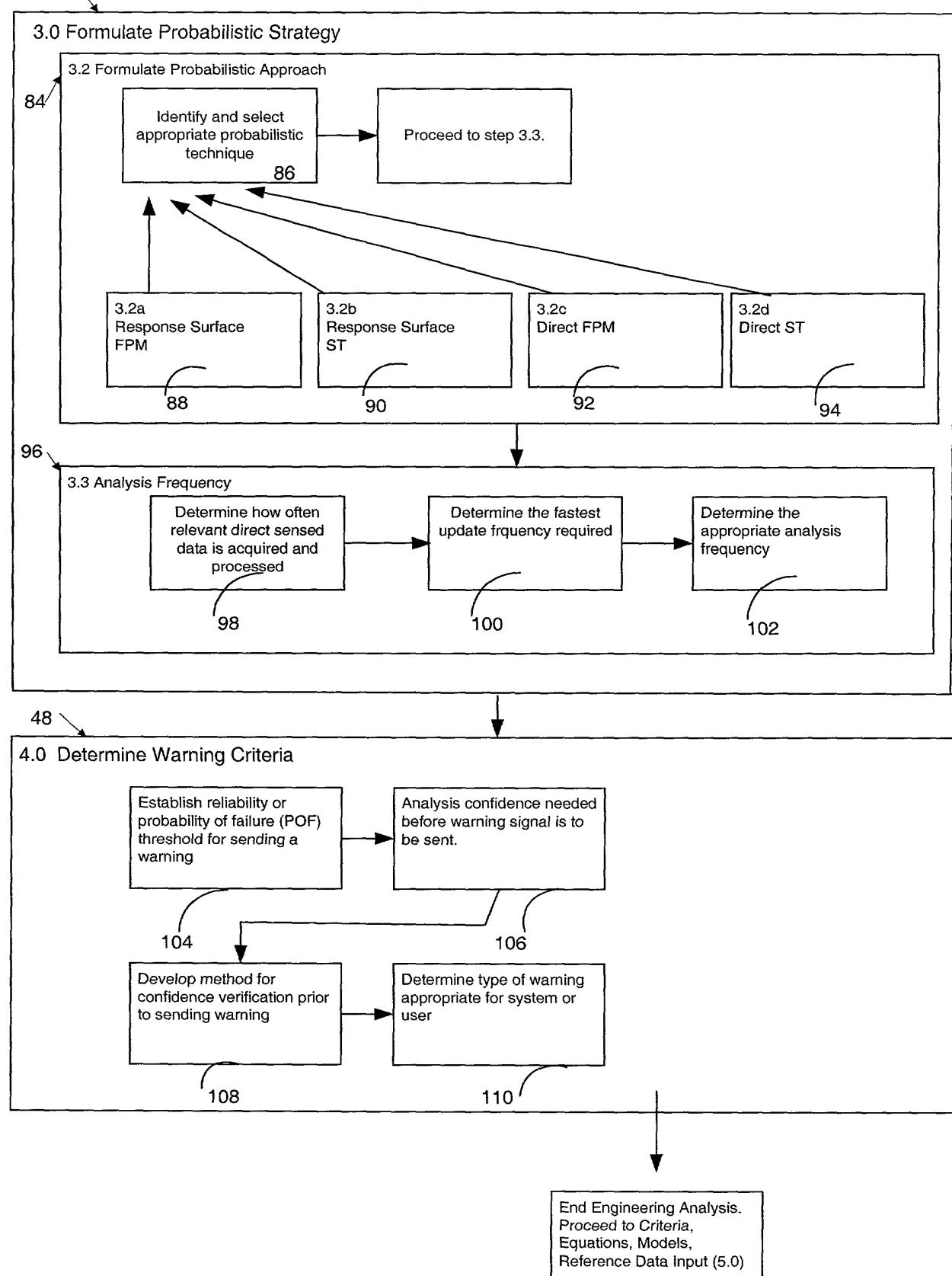


**Figure 2A**

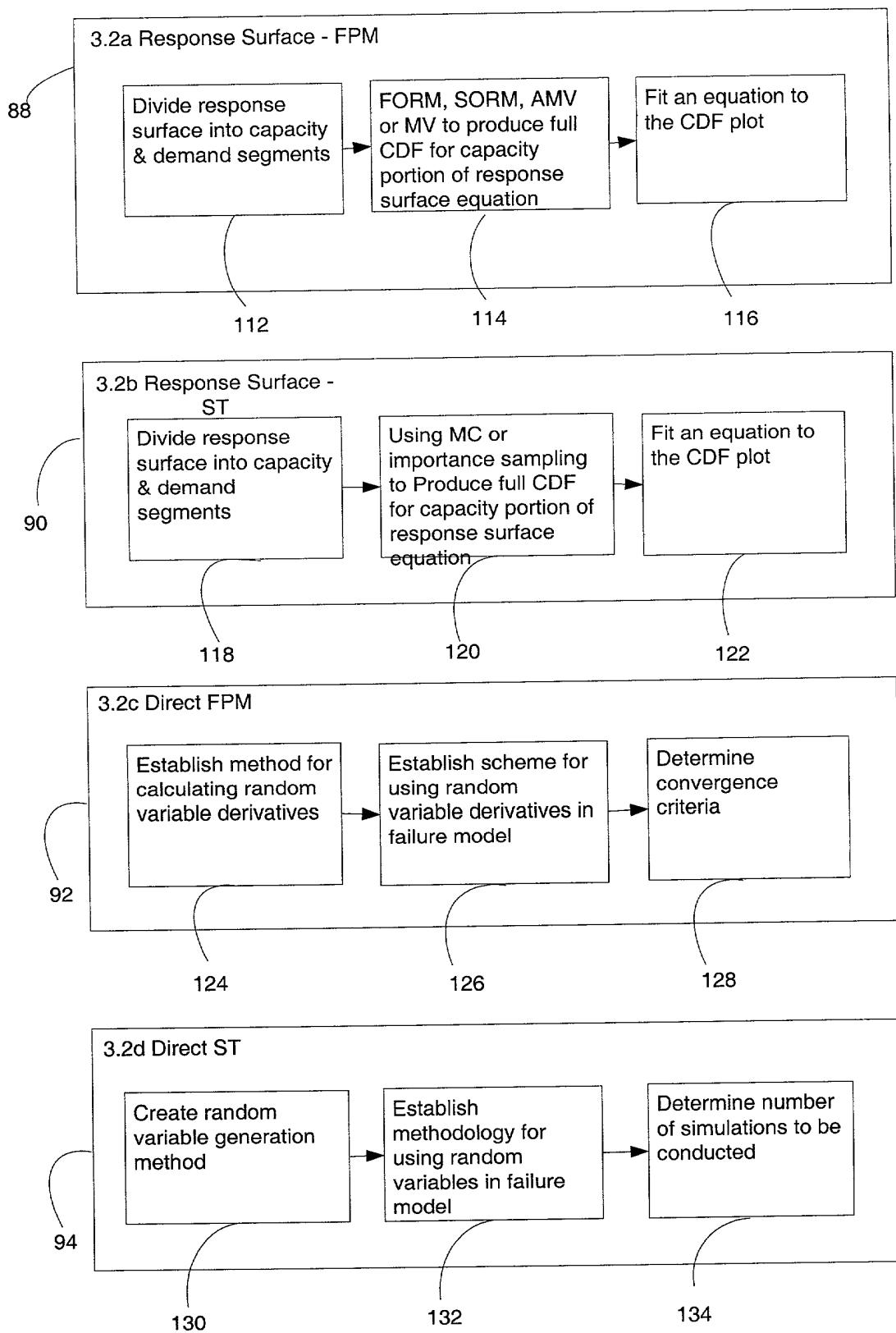


**Figure 2B**

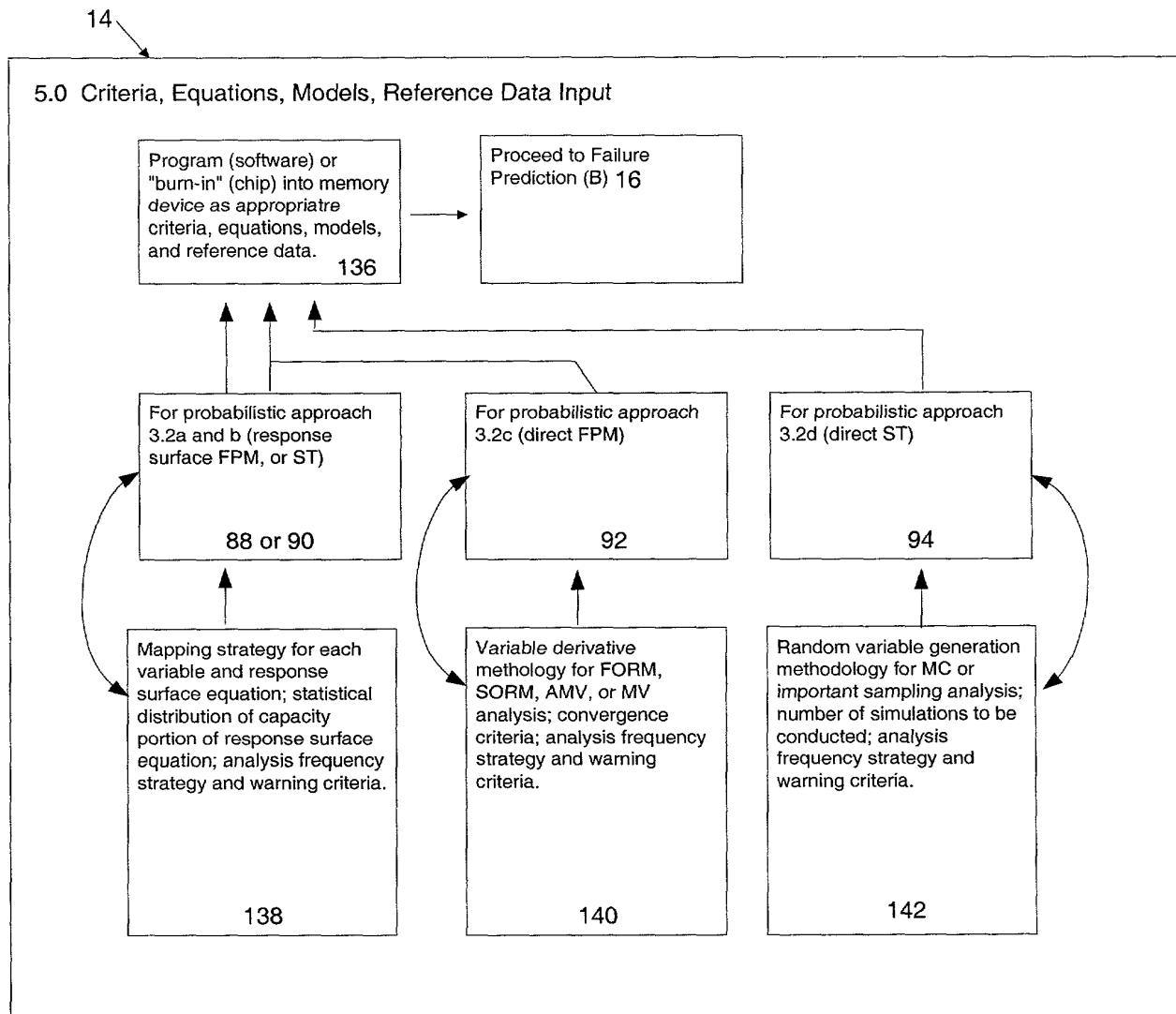
46  
Cont'd



**FIGURE 2C**

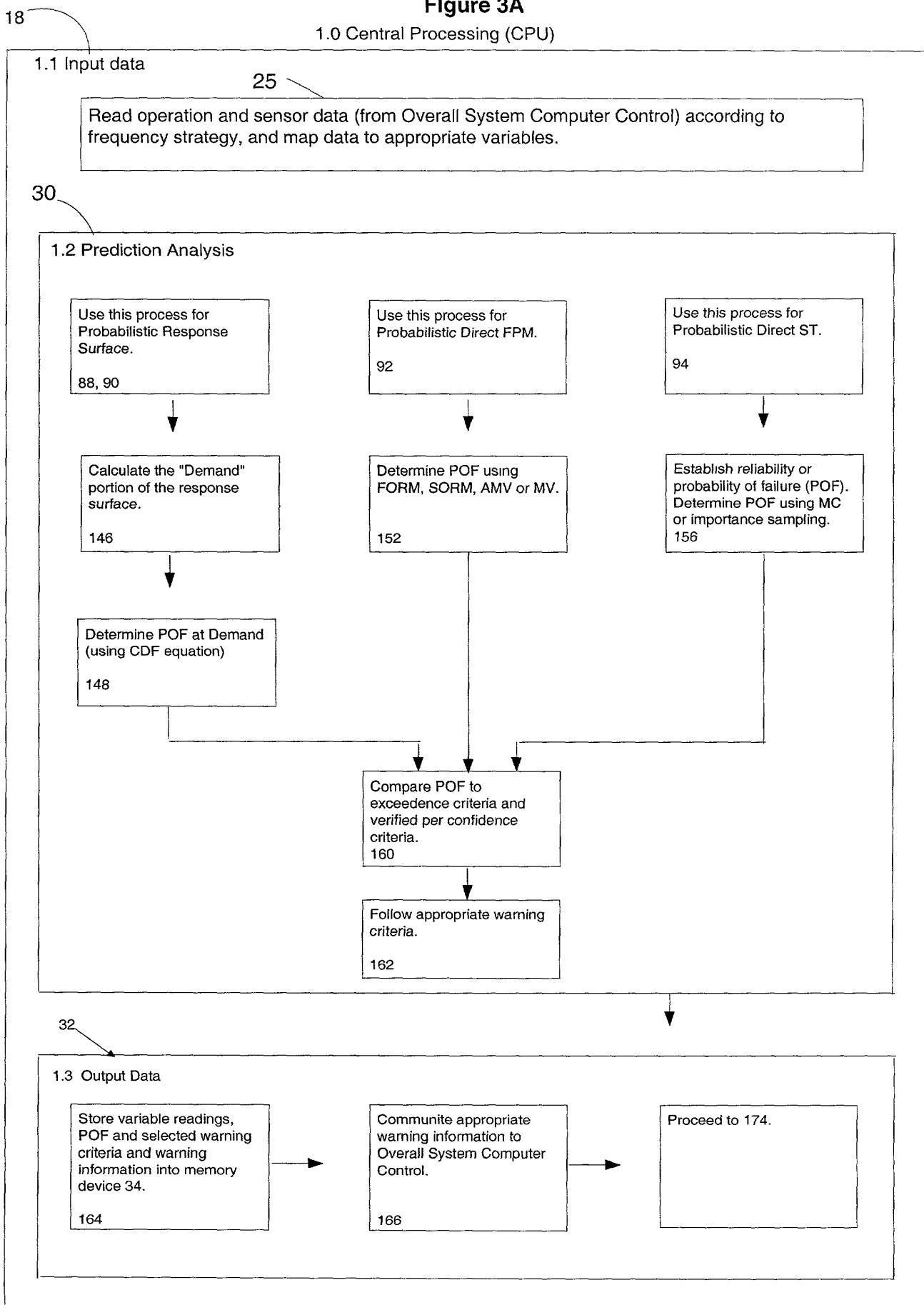


**Figure 2D**



**Figure 3A**

1.0 Central Processing (CPU)



**Figure 3B**

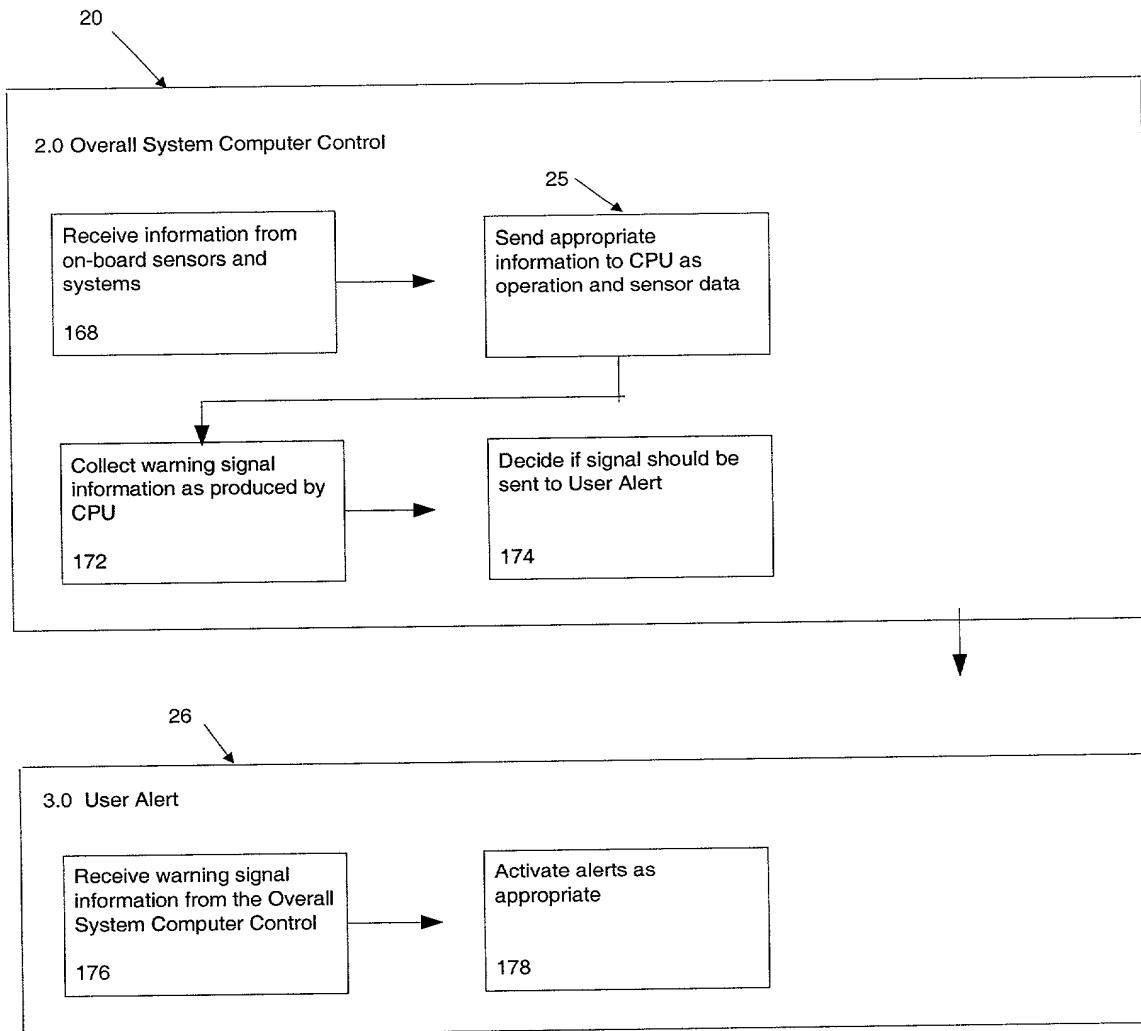
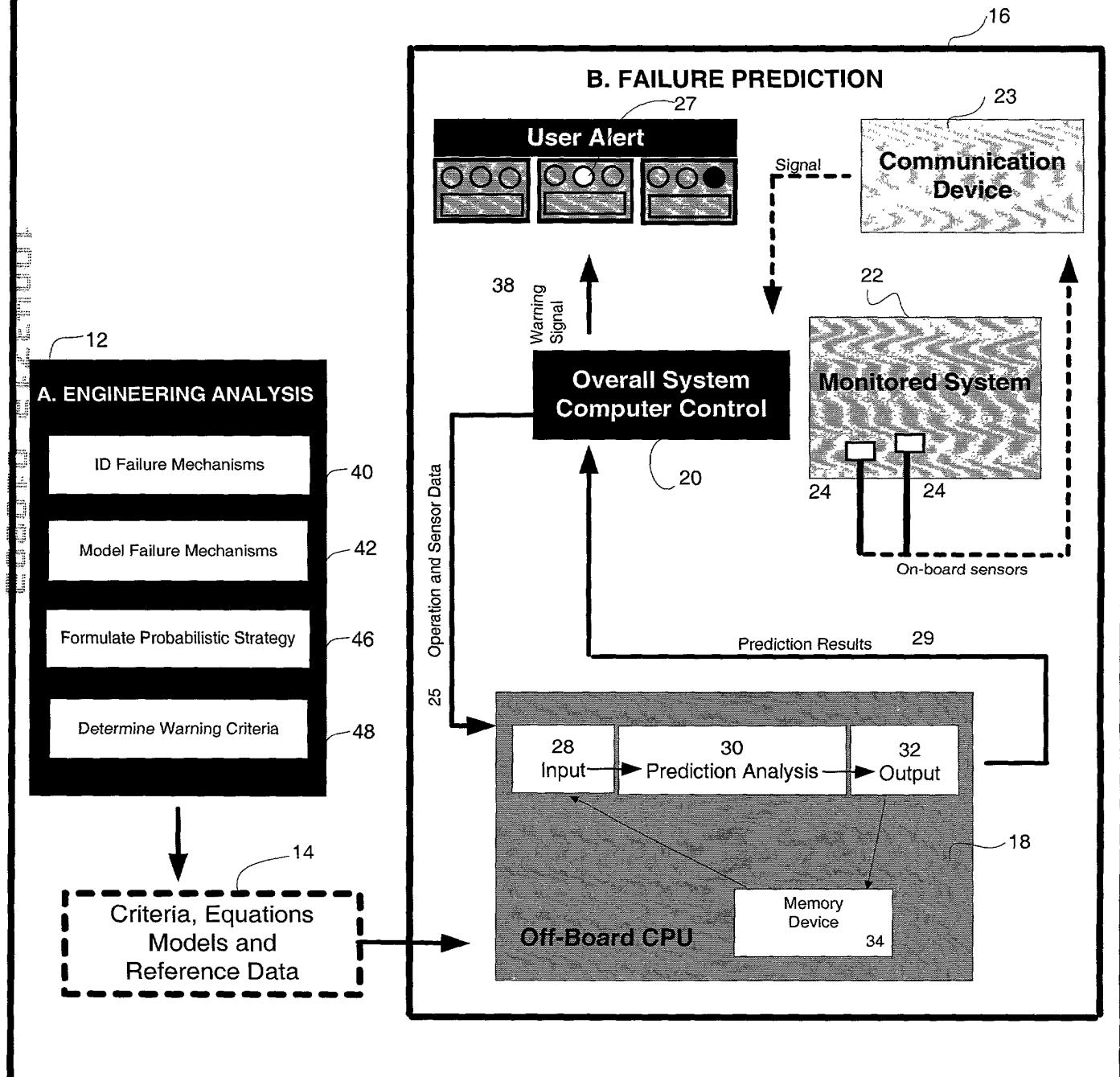
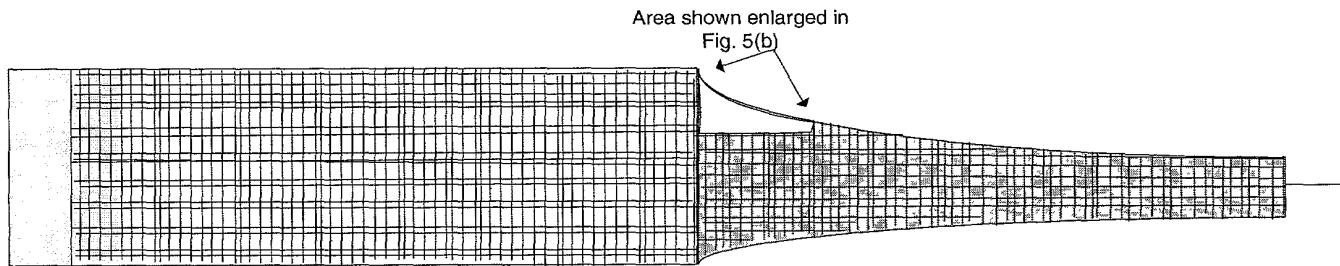


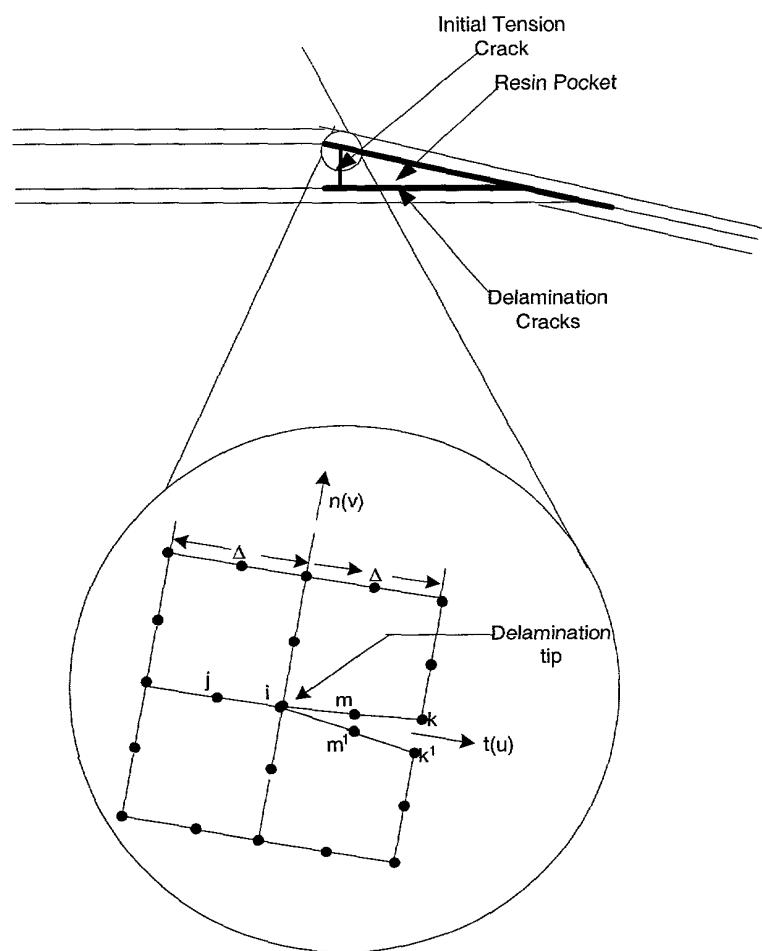
Figure 4

PROGNOSTIC INSTRUMENT ENGINEERING SYSTEM (PIES)





**Figure 5(a)**



**Figure 5(b)**

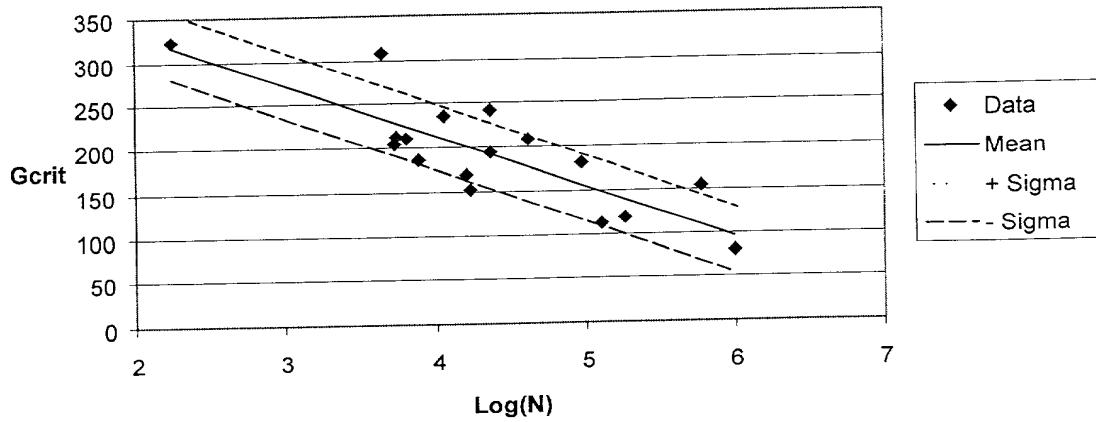


Figure 5(c)

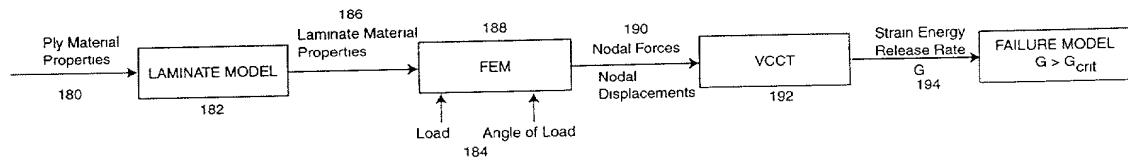


Figure 5(d)

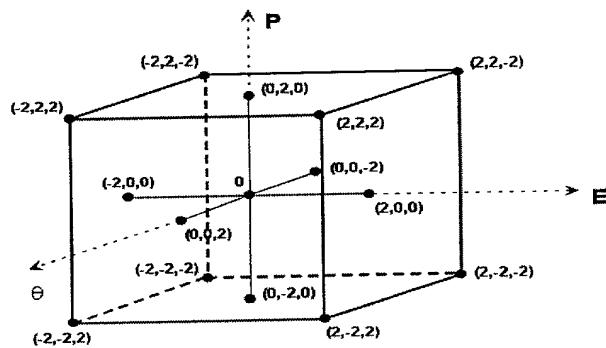
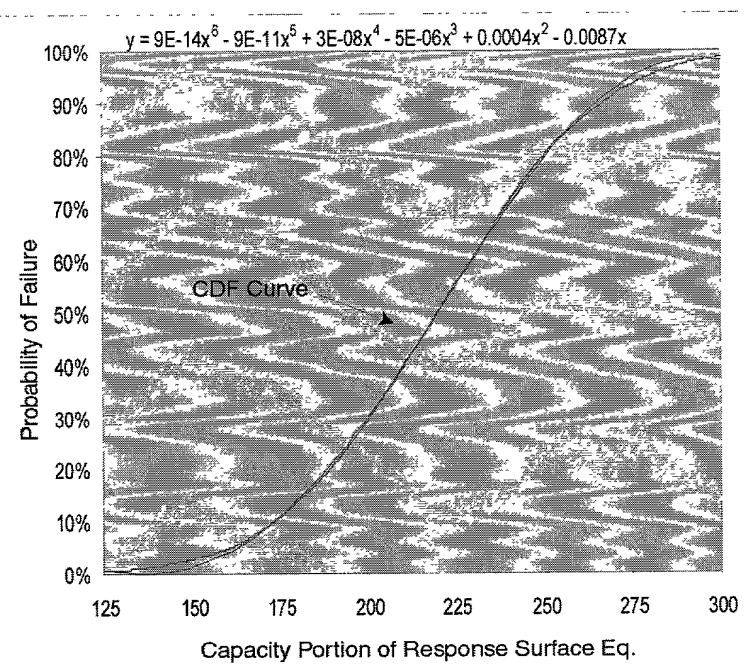


Figure 5(e)



**Figure 5(f)**